

SEQUENCE LISTING

<110> Meloen, Robert Hans

Conk, Hendrica Berendina

<120> An Improved Peptide, Immunogenic Composition and Vaccine or Medical Preparation, a Method to Immunise Animals Against the Hormone LHRH, and Analogs of the LHRH Tandem Repeat Peptide and their Use as Vaccine

<130> 2183-4518US

<140>

<141>

<150> US 09/274,048

<151> 1999-03-22

<150> US 08/981,557

<151> 1995-06-07

<150> PCT/NL96/00223

<151> 1996-06-06

<150> US 08/447,298

<151> 1995-06-07

<150> US 08/476,013

<151> 1995-06-07

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<170> Corel WordPerfect 8.0

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Leu Arg Pro]_n Xaa
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<212> peptide

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<221> Xaa

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<221> Xaa

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<223> Gly or Gly preceded by a spacer

<221> Xaa

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<222> 21

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Sub
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Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa His Trp Ser Tyr Xaa
1 5 10 15
Leu Arg Pro Gly Xaa
20

<210> 5

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<222> 21

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Leu	Arg	Pro	Gly	Xaa											
			20												

<210> 6

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<222> 16

<223> D-Lys

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<400> 6

Xaa	His	Trp	Ser	Tyr	Xaa	Leu	Xaa	Pro	Gly	Xaa	His	Trp	Ser	Tyr	Xaa
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Leu	Xaa	Pro	Gly	Xaa											
			20												

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<223> pyroglutamic acid

<221> Xaa

<222> 6

<223> D-Lys

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06953-07

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221 Xaa

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1 5 10 15
Leu Arg Pro Xaa Xaa
20

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<223> Glu-NH₂

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<223> Gly or Gly preceded by a spacer

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<221> misc-structure

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<223> dimer formed between Cys at 21 to Cys at 42

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Leu	Arg	Pro	Gly	Cys	Xaa	His	Trp	Ser	Tyr	Xaa	Leu	Arg	Pro	Gly	Xaa
			20					25					30		
His	Trp	Ser	Tyr	Xaa	Leu	Arg	Pro	Gly	Cys						

sub
c1

SECRET

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Leu Arg Pro Gly Xaa
20

sub
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<223> D-Lys

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<223> amino acid substitution

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<222> 16

<223> D-Lys

<221> Xaa

<222> 21

<223> Cys-NH₂

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Xaa His Trp Ser Tyr Xaa Leu Arg Pro Gly Xaa His Trp Ser Tyr Xaa

1

5

10

15

Leu Arg Pro Gly Xaa

20

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~~<213>~~ artificial

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<221> ~~Xaa~~

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<221> Xaa

<222> 6

<223> D-Lys

<221> Xaa

<222> 11

<223> Gly or Gly preceded by spacer

<221> Xaa

<222> 15

<223> amino acid substitution

<221> Xaa

<222> 16

<223> D-Lys

<221> Xaa

<222> 21

<223> Cys-NH₂

<400> 11

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~~222~~ 21

<223> Cys-NH₂

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~~Xaa His Trp Ser Tyr Xaa Xaa Arg Pro Gly Xaa His Trp Ser Tyr Xaa
1 5 10 15
Xaa Arg Pro Gly Xaa
20~~

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<212> peptide

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<221> Xaa

<222> 1

<223> pyroglutamic acid

<221> Xaa

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<223> D-Lys

<221> Xaa

<222> 9

<223> amino acid substitution

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<223> Gly or Gly preceded by a spacer

<221> Xaa

<222> 16

14

